

GABRIEL CONCEPCION

Senior Full Stack Developer / Forward Deployed Engineer

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Location: Philippines

Professional Summary

Senior Full Stack Engineer with 18+ years of experience designing scalable web applications, distributed systems, and cloud-native solutions. Experienced in React, Node.js, TypeScript, AWS, and microservices architecture. Passionate about building high-performance systems, mentoring developers, and delivering reliable software for fast-growing technology companies. Open to relocation within Europe.

Technical Skills

AI & Developer Productivity

Built AI-assisted developer workflows using Claude, Devin, OpenRouter, and AssemblyAI. Automated documentation, code generation, debugging, testing, and prompt engineering. Integrated AI APIs into internal tooling.

Programming Languages: JavaScript (ES6+), TypeScript, Node.js, PHP, Python, SQL

Frontend: React.js, Vue.js, Angular, React Native, HTML5, CSS3, Responsive Web Design, Progressive Web Apps (PWA), Tailwind CSS, Bootstrap

Backend: Express.js, Laravel, CodeIgniter, RESTful APIs, GraphQL, API Development, API Integration, Authentication (JWT, OAuth 2.0), Serverless Applications

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Database Design, SQL Optimization, Query Performance Tuning

Cloud & DevOps: AWS (Lambda, API Gateway, EC2, S3, Cognito, DynamoDB), Docker, Kubernetes, Serverless Framework, GitHub Actions, CI/CD Pipelines, Cloudflare, Vercel, Google Cloud Platform (GCP), Supabase

Software Architecture: Microservices Architecture, Distributed Systems, System Design, Cloud-Native Applications, API Gateway, Scalable Systems, Performance Optimization, Caching Strategies, Enterprise Application Development

Testing & Quality: Jest, Cypress, Enzyme, Unit Testing, Integration Testing, End-to-End (E2E) Testing, Test Automation, Automated Testing Pipelines

Development Practices: Agile, Scrum, SDLC, Git, Version Control, Code Reviews, Continuous Integration (CI), Continuous Delivery (CD), DevOps, Technical Documentation

AI & Developer Productivity: Claude, Devin, OpenRouter, AssemblyAI, Prompt Engineering, AI-Assisted Development, Workflow Automation, AI Code Generation, AI Debugging, AI Test Generation, AI Documentation

Leadership & Collaboration: Technical Leadership, Team Leadership, Mentoring, Sprint Planning, Cross-functional Collaboration, Stakeholder Communication, Technical Design, Solution Architecture

Other Projects

Agent Automation for Landing Page Generation

- A multi-agent system that generates and deploys landing pages for local businesses from a Google Maps URL, using a dispatcher-managed workflow inspired by manager skill orchestration.
- Dispatcher agent: reads the lead queue, detects the request type (new lead, edit, fix, QA), and routes the job to the right specialist agent.
- Researcher agent: extracts business info from Google Maps and Facebook pages, and checks for an existing website.
- Developer agent: builds the landing page — sections, images, contact details, map embed, and Tailwind styling.
- QA agent: verifies hero/about/gallery images, map embed, JS errors, and staging domain accessibility.
- Fix agent: handles edit requests by pulling the latest project, applying the fix, and re-deploying.

Tech Stack Python, OpenAI / LLM APIs, Web search and retrieval tools, Markdown / JSON output

ARRAPI

Custom CMS & Admin Dashboard Developed a responsive admin panel for managing site content, images, and election settings.

Registration & Membership Approval Built registration workflows and an admin-facing membership approval system with live pending/approved member counts.

Nominations & Elections Implemented nomination intake, BOT voting, and election results pages, all accessible from the admin dashboard.

Modular UI Created reusable components, sidebar navigation, modal-based editors, and clean state management using Zustand.

Tech Stack Supabase, ReactJS, Zustand, Tailwind, Python

Professional Experience

CMSquared Tech Inc. (PCHC)

January 2024 – Present

Frontend Developer – Smart Debit Portal PCHC

- Smart Debit Portal PCHC | React, React Router, Tailwind CSS, REST APIs, RBAC
- Built the Smart Debit UI portal using React 18, handling member, biller, mandate, access, collections, and reporting modules.
- Implemented RBAC-protected dashboard navigation and actions with React Context and permission checks.
- Styled the app with Tailwind CSS and developed reusable layouts and components.

CICS (Cheque Image Clearing System) — Automated cheque-clearing platform.

Frontend: Owned and built the CICS portal in React for viewing incoming/outgoing ICL files, transaction status filtering, pagination, and bank/currency/work-type filters.

Backend: Contributed to the serverless upload and ICL transaction pipeline (AWS Lambda/Step Functions, TypeScript, MongoDB). Implemented file ingestion and ICL item validation logic and fixed settlement/totals/reporting issues .

Pickup Coffee | Senior Full Stack Developer

January 2023 – 2024

- Designed and developed four core microservices (Cards, Wallet, Voucher, and Stamps) supporting a loyalty platform serving 200,000+ daily active users.
- Architected scalable REST APIs and API Gateway integrations for mobile applications, barista tablets, and internal services.
- Built a reporting dashboard and Progressive Web Application (PWA) to improve operational visibility and reporting.
- Implemented QR code-based loyalty and rewards features to enhance customer engagement.
- Collaborated with product managers, designers, QA engineers, and mobile developers in an Agile development environment.
- Contributed to system architecture decisions focused on scalability, maintainability, and performance.

Tech Stack: React.js, Node.js, Express.js, TypeScript, Kubernetes, PostgreSQL, MySQL, Redis, AWS

XSwap Philippines | Lead Full Stack Developer

September 2020 – December 2022

- Led a cross-functional team of 4 developers and QA engineers, overseeing sprint planning, code reviews, mentoring, and production releases.
- Designed and developed a high-performance wallet backend capable of processing 562+ transactions per minute using Node.js, Redis, and AWS.
- Successfully migrated a monolithic Laravel application into five independent microservices, improving scalability and deployment flexibility.
- Integrated payment gateways including Dragonpay and Xendit, and implemented cryptocurrency cash-in functionality.
- Built automated CI/CD pipelines using GitHub Actions and AWS Serverless, reducing deployment time from 2 hours to 15 minutes.
- Improved application reliability through caching strategies, monitoring, and performance optimization.

Tech Stack: Node.js, React.js, TypeScript, AWS Lambda, API Gateway, DynamoDB, EC2, Redis, PostgreSQL, MySQL, GitHub Actions

Appolutely Inc. | Senior Full Stack Developer

August 2017 – September 2020

- Delivered a white-label e-commerce MVP in two weeks, enabling rapid client onboarding and faster product validation.
- Designed and developed a cryptocurrency trading platform using Laravel and Vue.js with secure transaction processing and real-time market data.
- Led the migration of a mobile e-commerce platform into a responsive web application using React.js and Node.js.
- Optimized complex SQL queries and implemented Redis caching, reducing report generation time from 40 minutes to 5 minutes (87.5% improvement).
- Worked closely with business stakeholders to deliver scalable features under aggressive project timelines.

Tech Stack: Laravel, Vue.js, React.js, Node.js, GraphQL, MySQL, Redis, AWS, Netlify

Forward Solutions | Full Stack Developer

February 2014 – August 2017

- Developed enterprise web applications for multiple government agencies serving 10,000+ end users.
- Led a development team of 6 engineers (3 developers and 3 QA engineers) delivering HRIS, electronic voting, and customer engagement platforms.
- Improved reporting performance by over 80% through SQL optimization and database tuning.
- Designed and implemented REST APIs and reusable application modules to improve maintainability across projects.
- Participated in system analysis, technical design, deployment, and production support.

Tech Stack: Laravel, CodeIgniter, Vue.js, AngularJS, MySQL, AWS

Gameloft | PHP Tools Programmer

May 2010 – February 2014

- Developed and maintained internal tools supporting game development teams across multiple projects.
- Enhanced project management and device management systems used by QA and development teams.
- Automated reporting processes to improve project tracking and operational efficiency.
- Worked within an international Agile environment, collaborating with cross-functional teams.

Tech Stack: PHP, Zend Framework 2, Git, YUI

Via-Phone Telecommunication Co. | PHP Programmer

June 2007 – May 2010

- Developed a call management platform for tracking customer orders, callbacks, and agent performance.
- Built and deployed 15+ e-commerce websites for pharmaceutical franchise businesses.
- Created automated reporting solutions that improved operational visibility for management.
- Maintained and enhanced PHP applications while working closely with business users to deliver new features.

Tech Stack: PHP, CodeIgniter, MySQL

Education

Polytechnic University of the Philippines

Bachelor of Science in Information Technology (2003 - 2007)
